LATTS Latin America Trade and Transportation Study

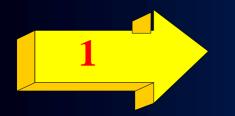
Project Overview

Conference on Updating the Louisiana Statewide Transportation Plan

New Orleans, LA July 31, 2000



LATTS: Purposes



Determine Latin American Trade Opportunities



Identify Transportation Investments to Support Trade Growth

The Alliance Region







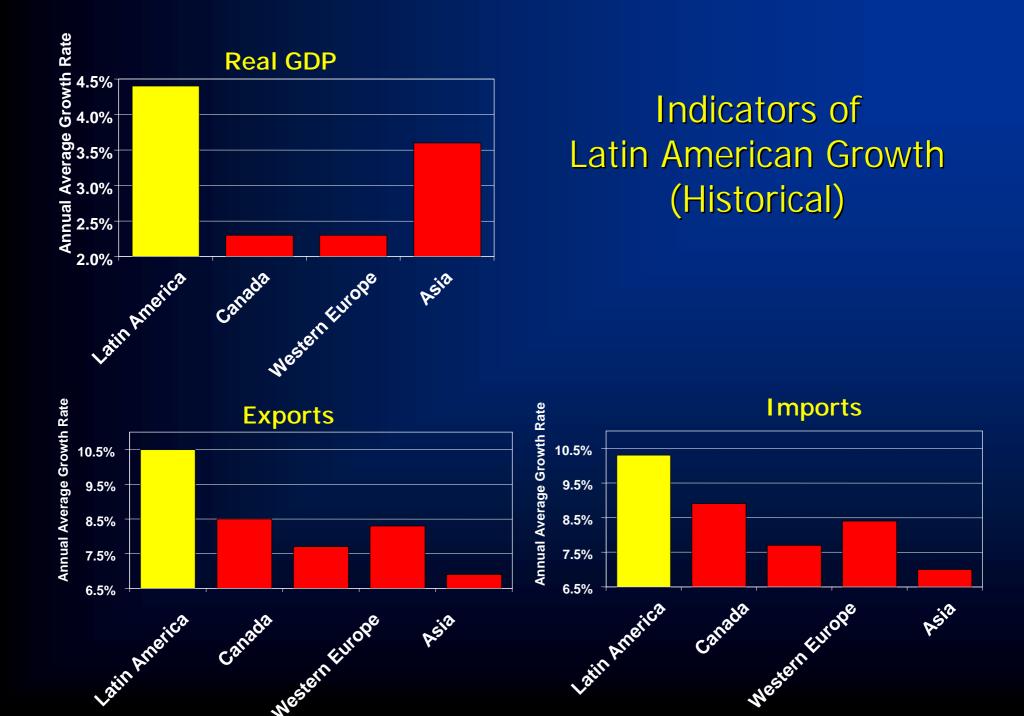


WORK PLAN

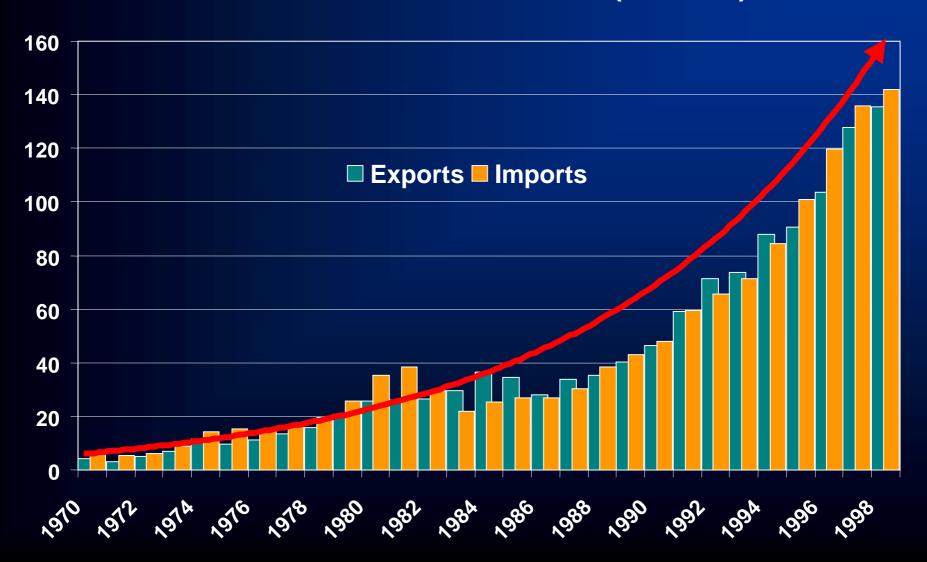


Investment Strategies





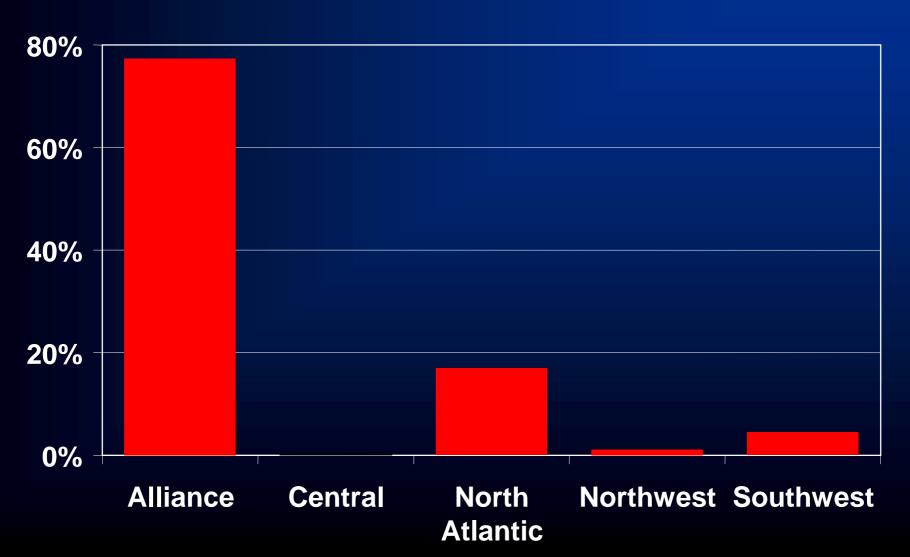
Trade is Escalating US/Latin American Trade (\$Billion)



The Alliance is The Gateway to Latin America

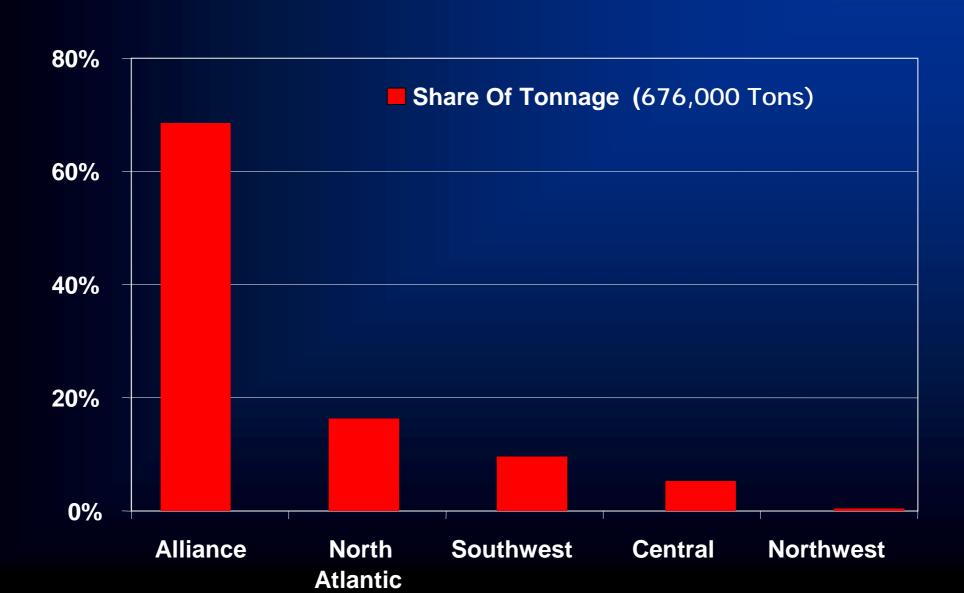
1996 Total Seaborne Trade with Latin America

Based on Tonnage (353 Million Tons)



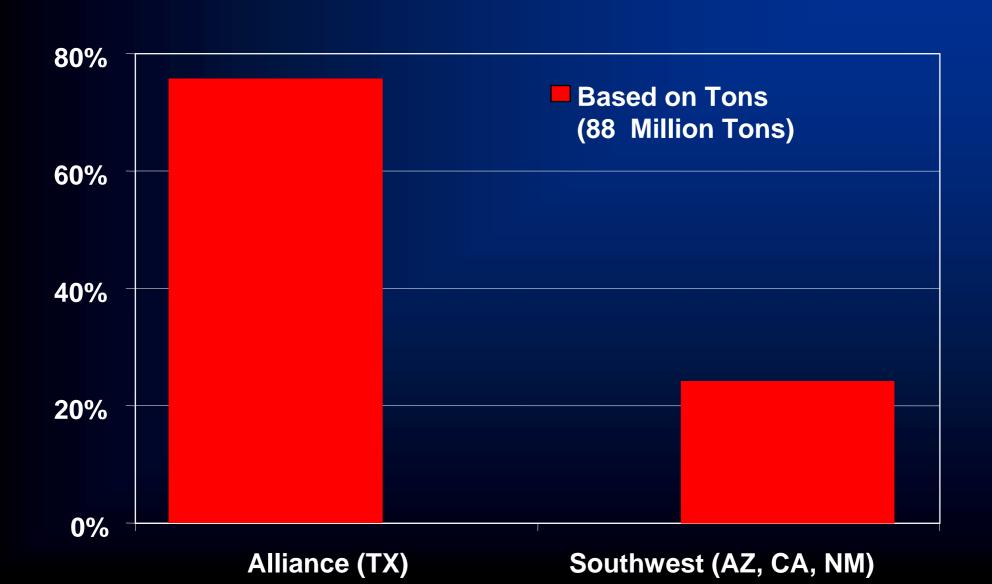
The Alliance is The Gateway to Latin America

1996 Total Airborne Trade with Latin America



The Alliance is The Gateway to Latin America

1996 Total Cross-border Trade with Latin America

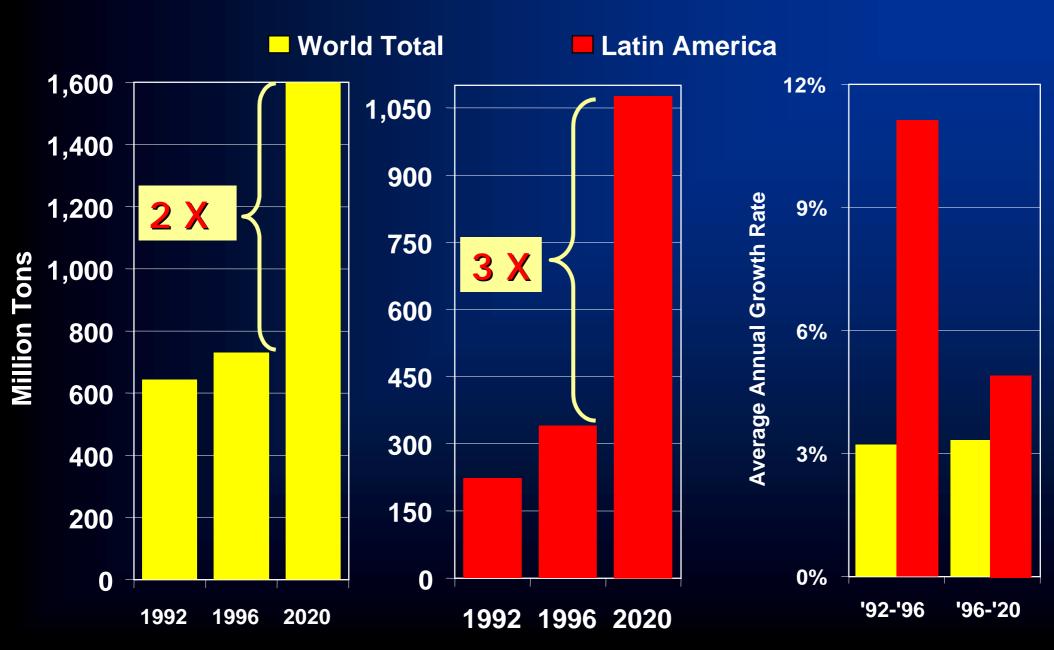


Strategically Important: National Economy

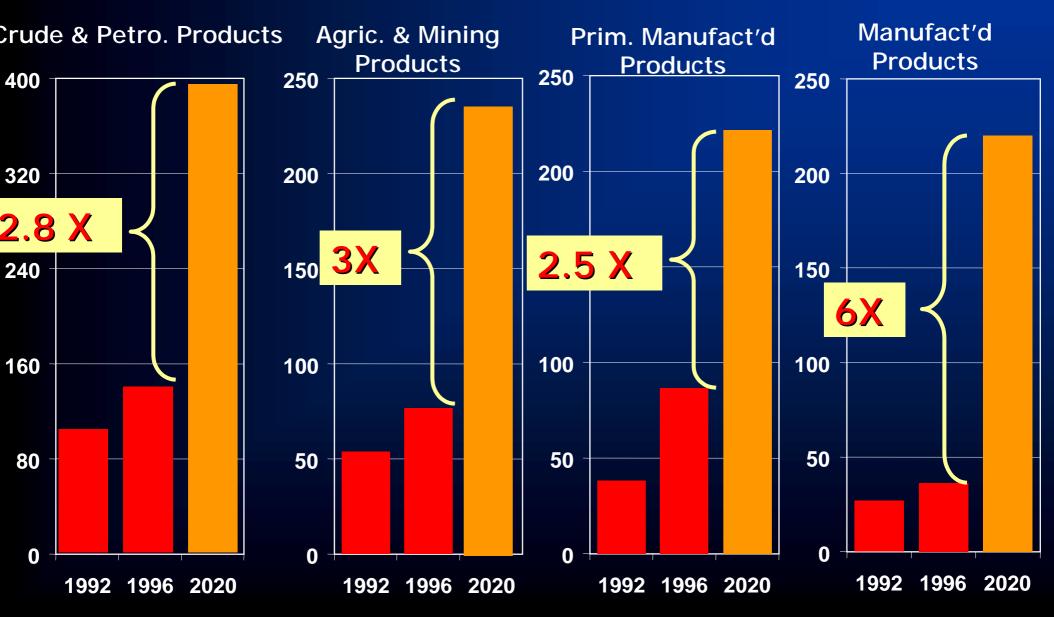
Important Gateway For:

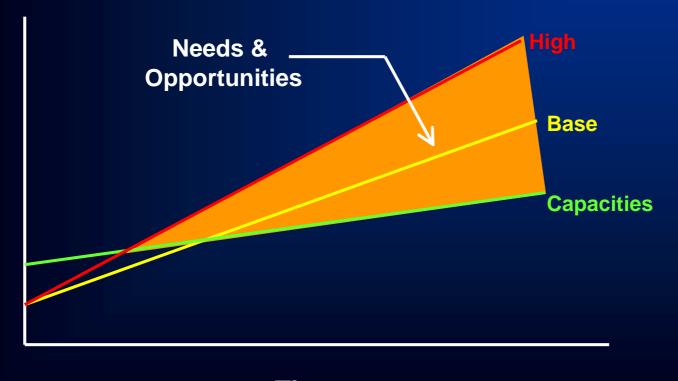
Alliance Trade With Latin America Rest of US
Trade With
Latin America

Alliance Trade Growth Trends: Forecasts



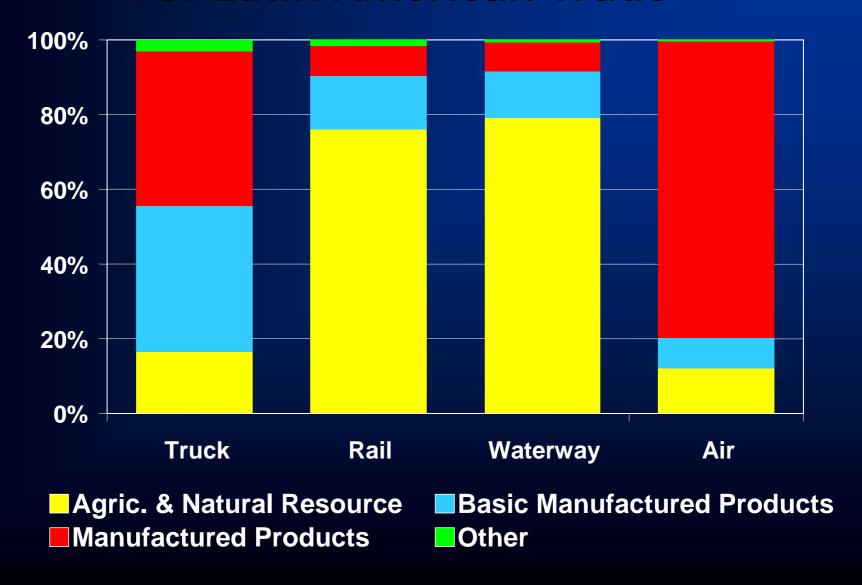
Alliance Trade Growth Trends: Forecasts (Million Tons)





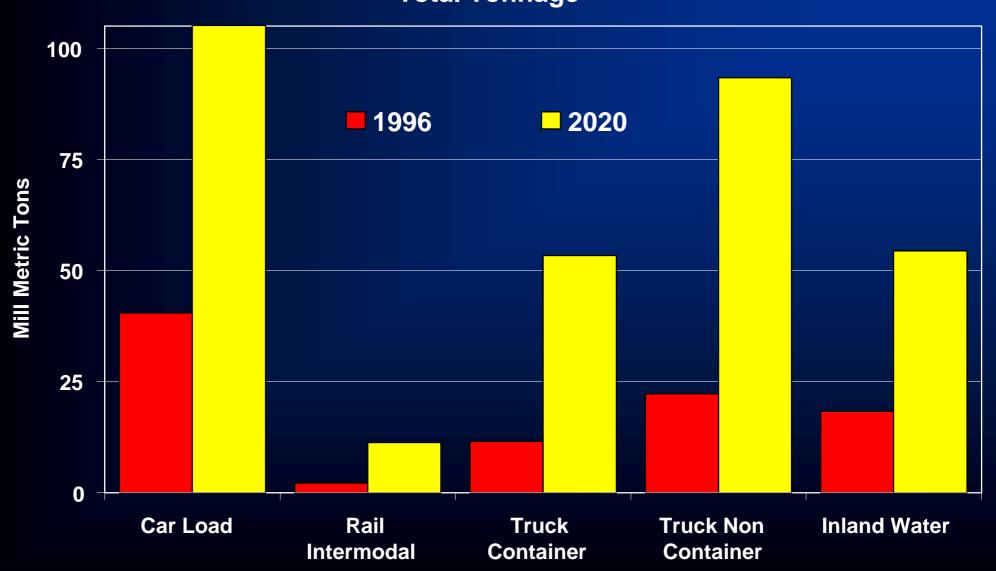
Time

Share of Modal Throughput by Sector For Latin American Trade



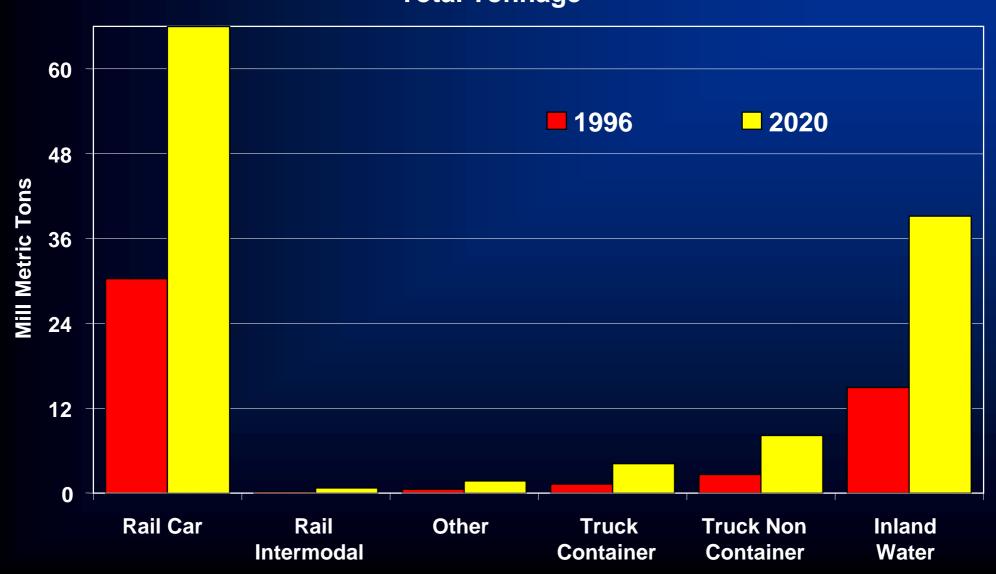
2020 Domestic Mode Split Latin American Trade - All Commodities





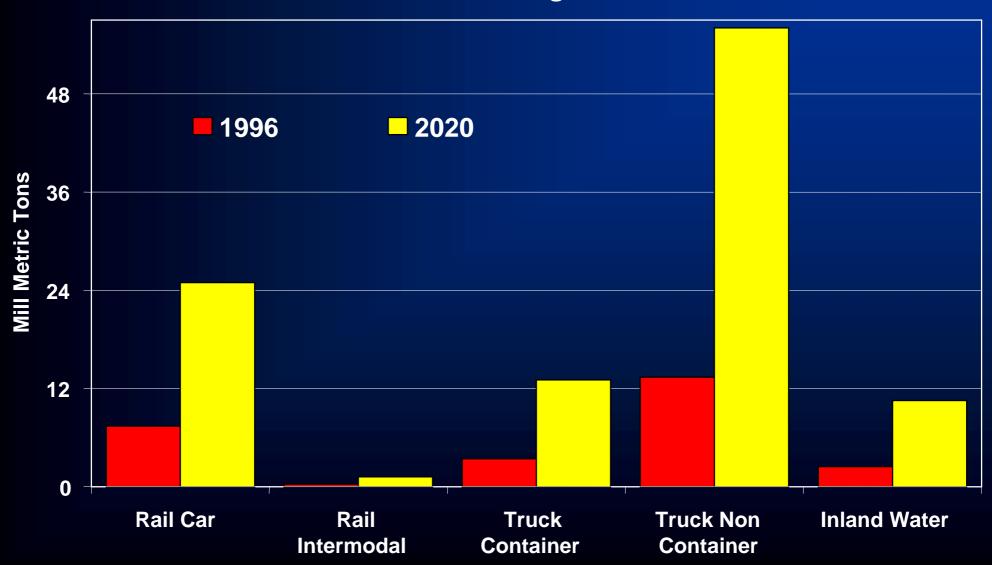
2020 Domestic Mode Split Latin American Trade - Agric. & Nat. Resources





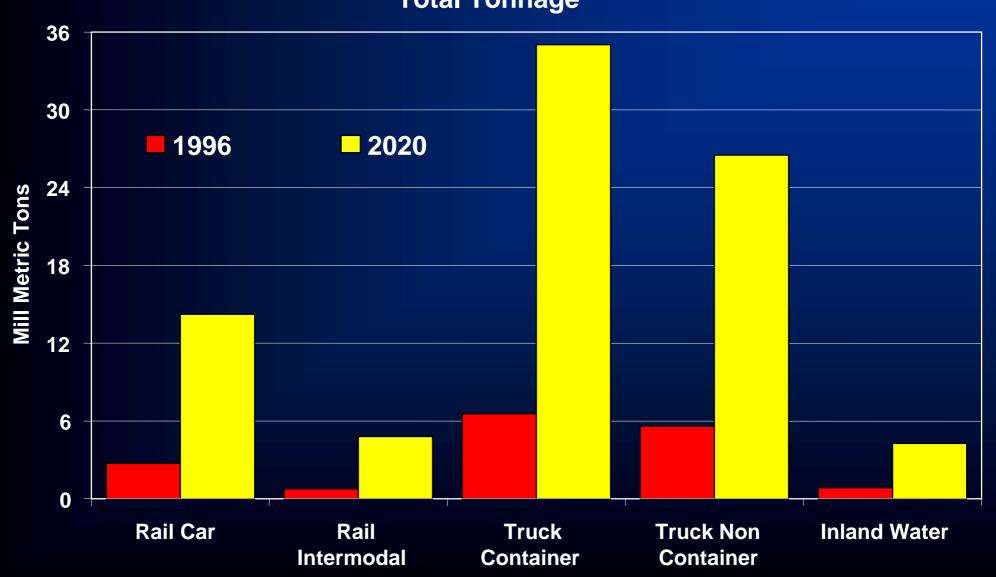
2020 Domestic Mode Split Latin American Trade - Basic Manufactured

Total Tonnage



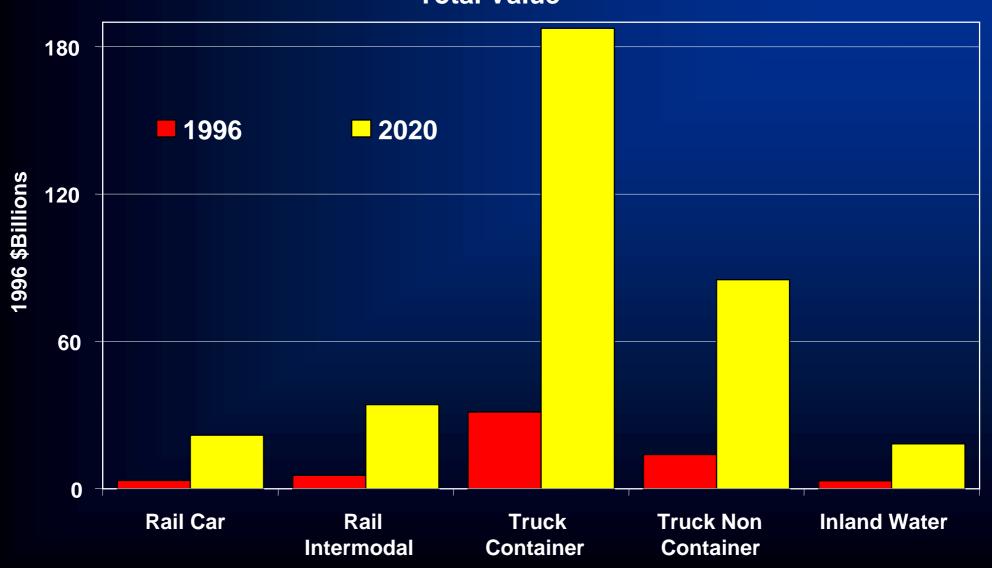
2020 Domestic Mode Split Latin American Trade - Manufactured





2020 Domestic Mode Split Latin American Trade - Manufactured



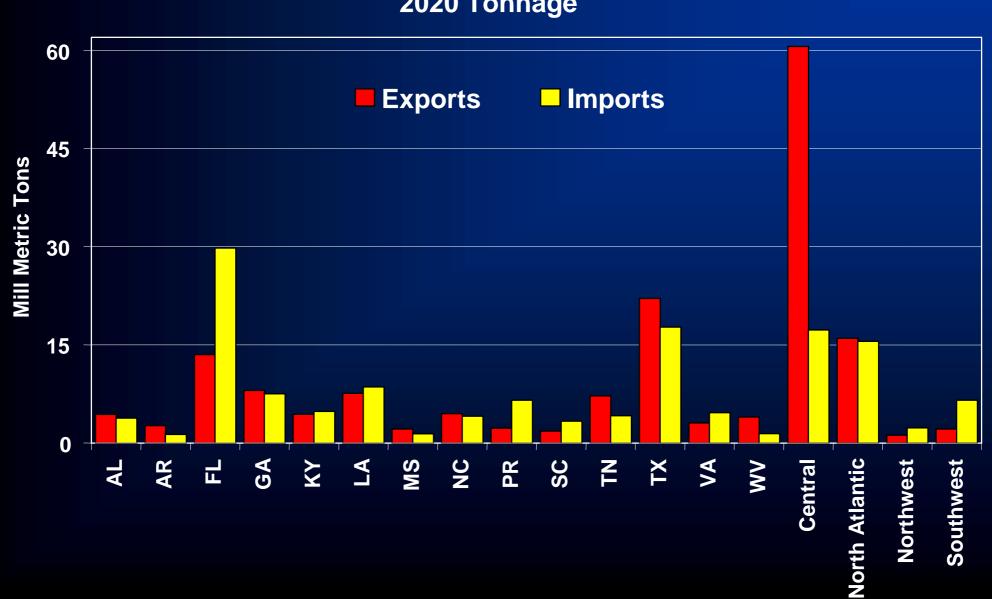


Change in Alliance Employment From 2000 to 2020



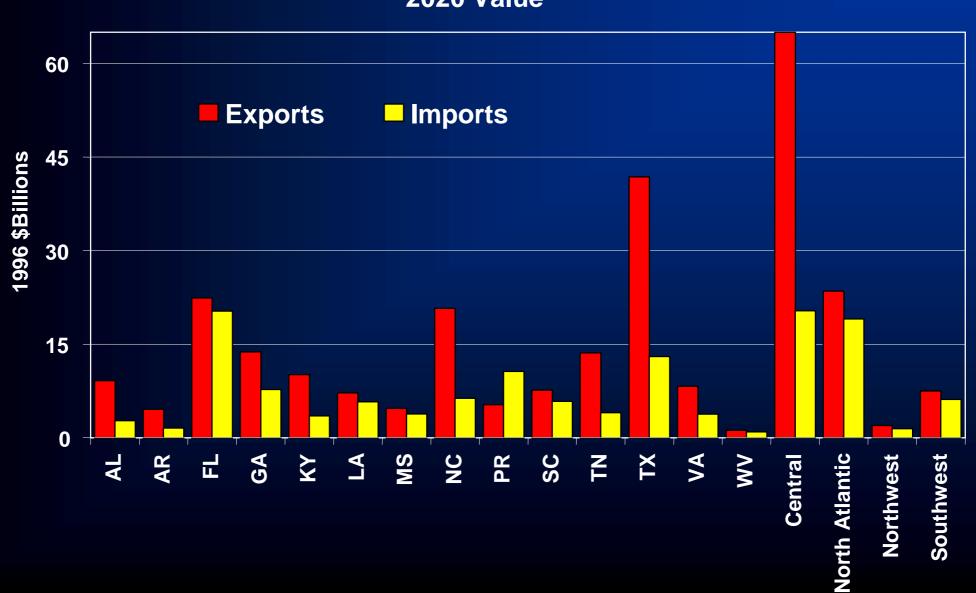
2020 US Origin/Destinations **All Commodities**

2020 Tonnage



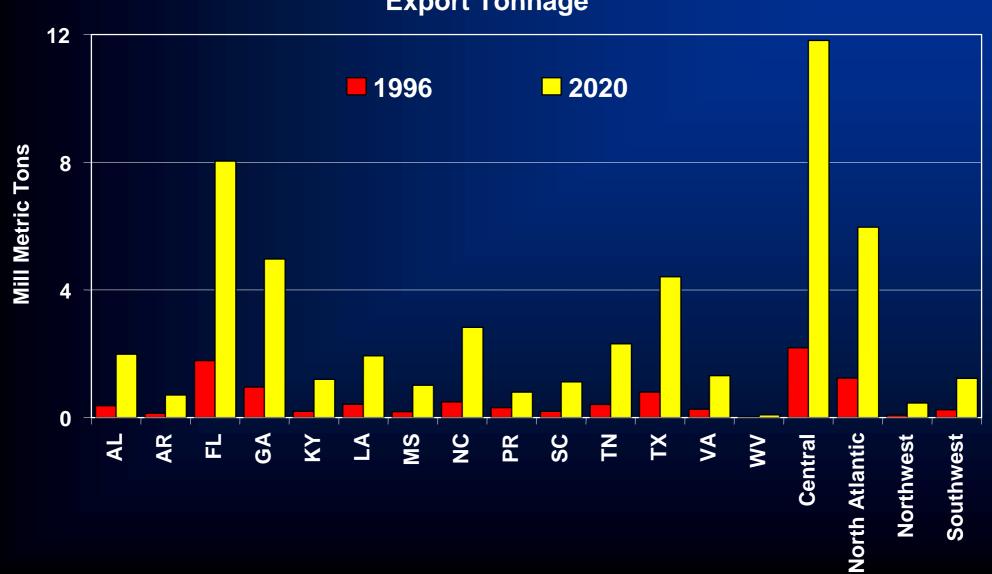
2020 US Origin/Destinations All Commodities

2020 Value



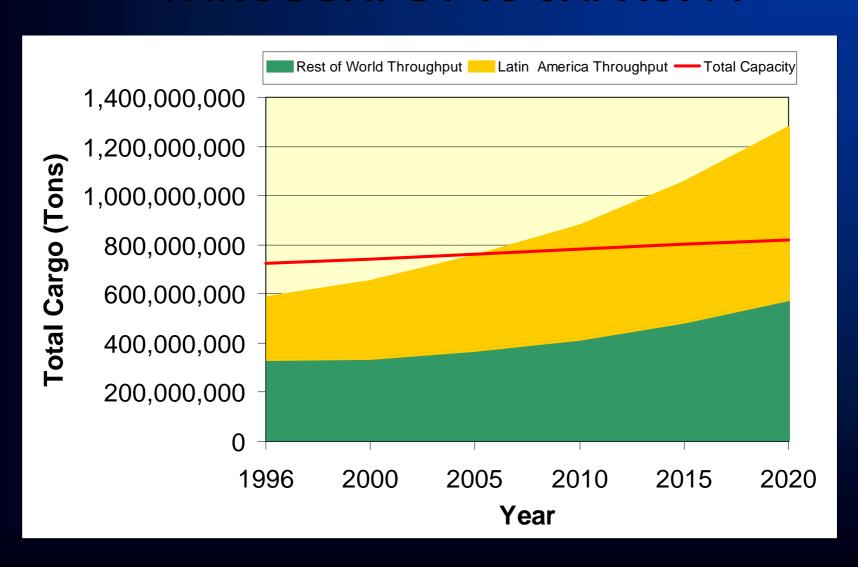
2020 US Origin/Destinations **Manufactured**

Export Tonnage

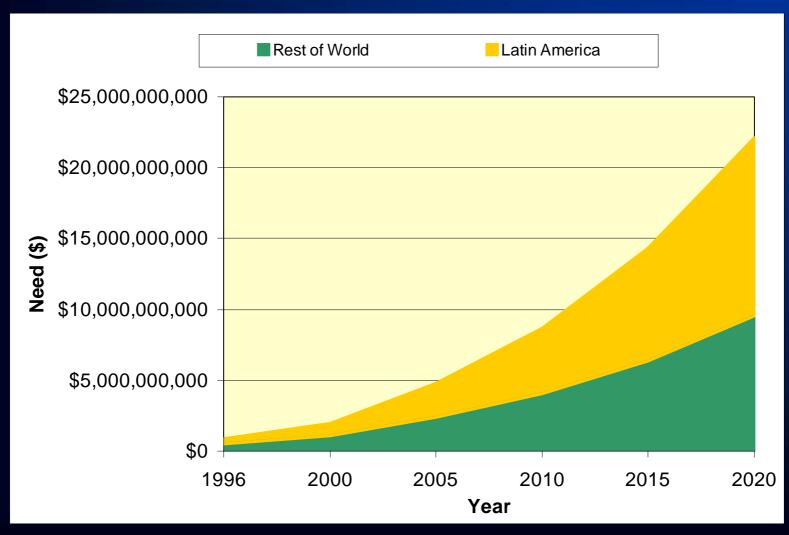


LATTS Strategic System: Water Ports Joseph Eavety First of Huntington Add land builde Deexphere Patrical BONDHAR. Period Free Wall-Character Fot Ather - Cape Consvers! Part of South Louissess Morgan Etty Here Driested Miller Arm Port Paim Beart. Earper Chief Port Everglades Paesto Rico Istany LEGEND Strategic Water Ports Aliance Region 6 0 6 0 1216 Wies

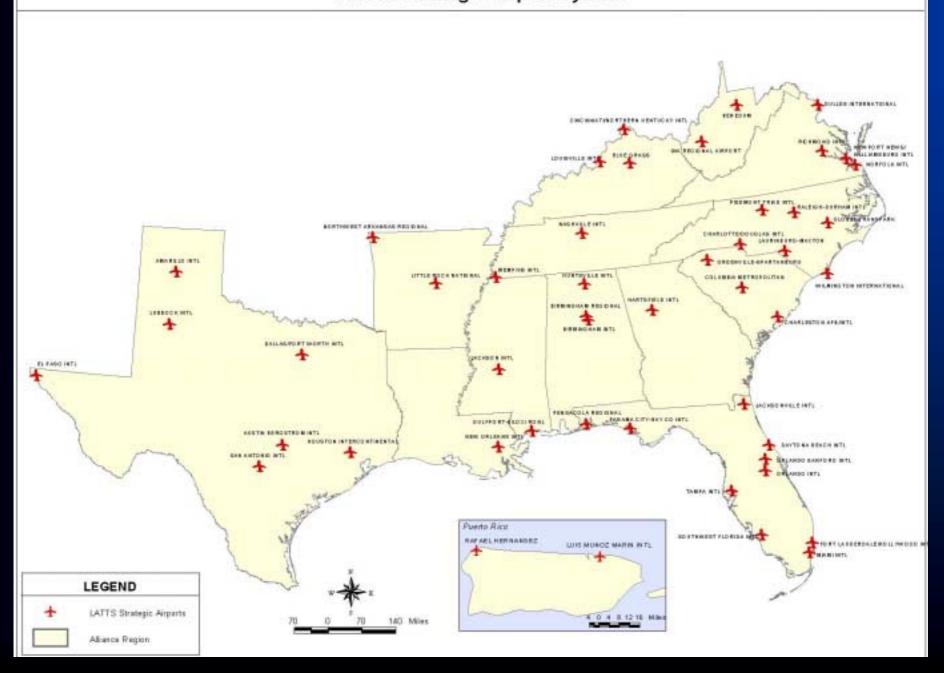
TOTAL REGION CARGO THROUGHPUT vs CAPACITY



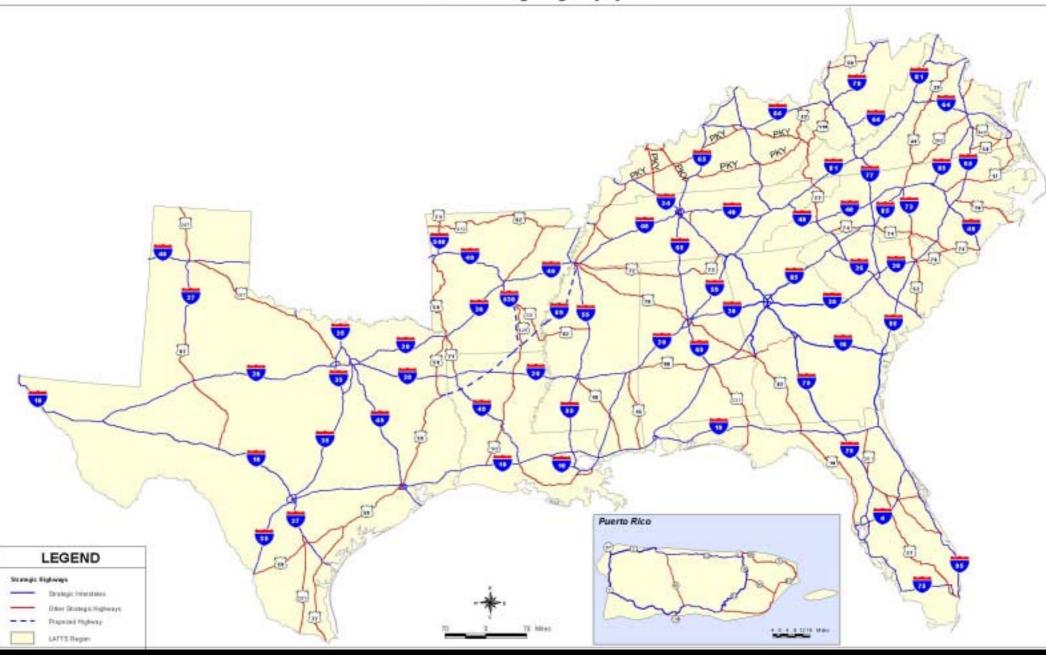
TOTAL REGION CARGO NEED ESTIMATED INFRASTRUCTURE NEED



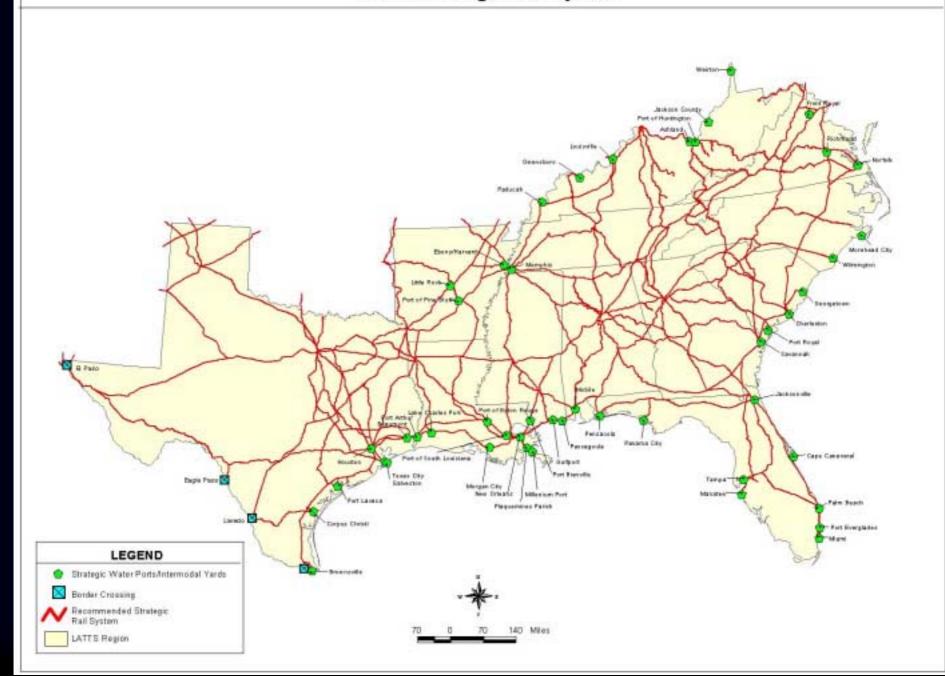
LATTS Strategic Airport System



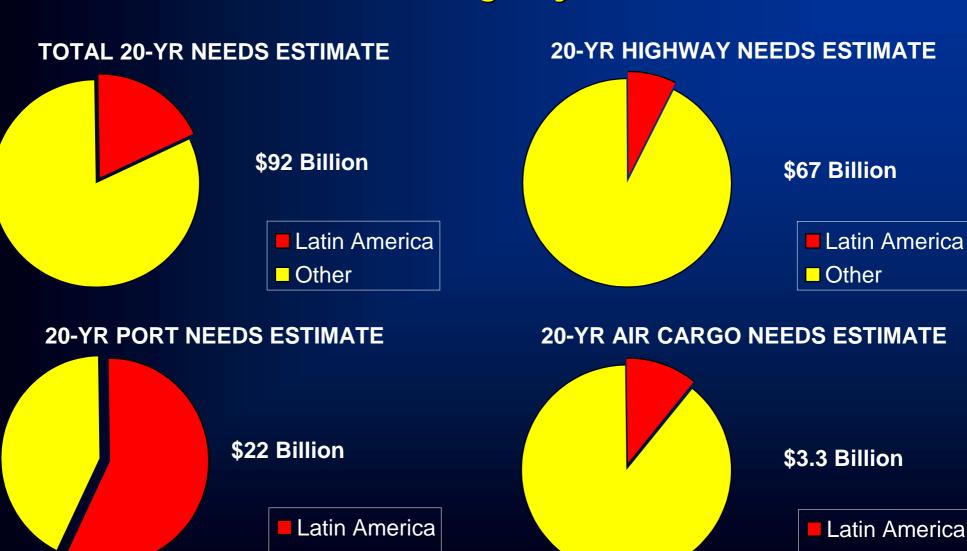
LATTS Strategic Highway System



LATTS Strategic Rail System



20 Year Needs Estimates LATTS Strategic System



Other

Other

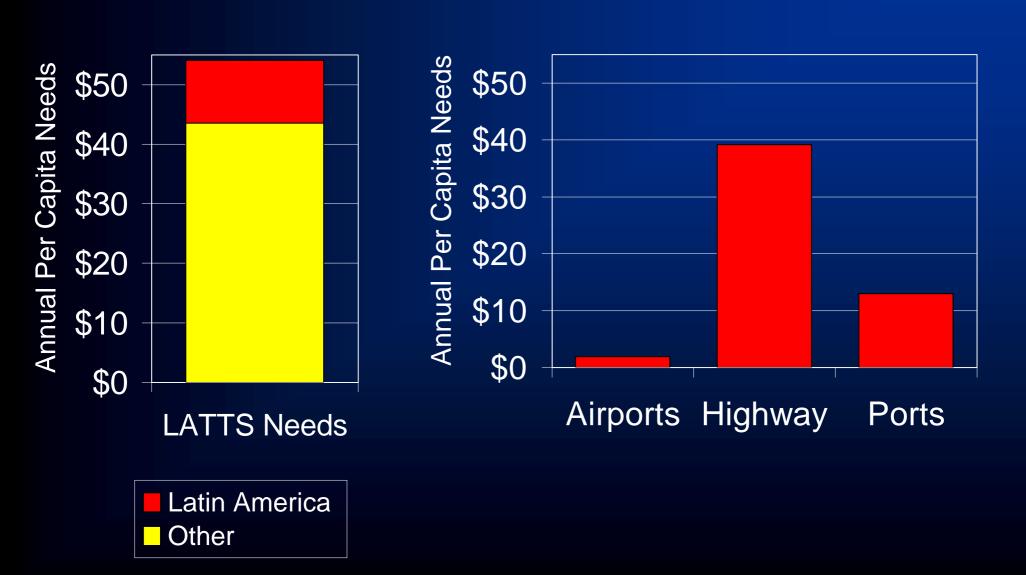
Per Capita LATTS Needs Estimates 20 Year Total



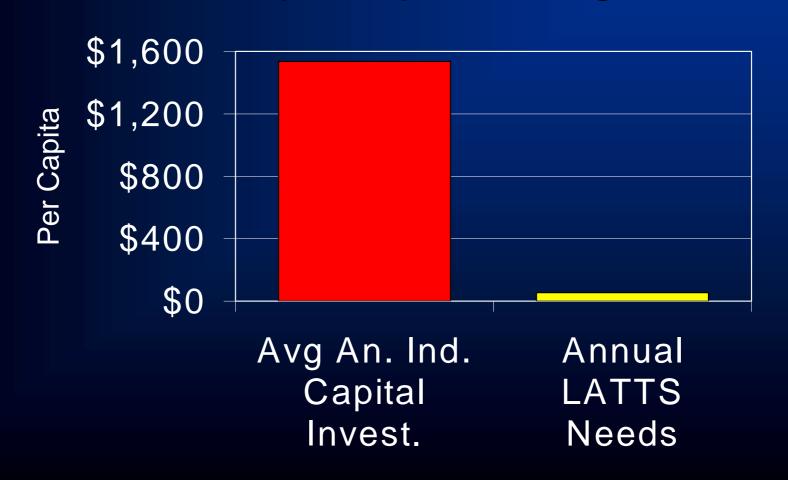
Latin America

Other

Per Capita LATTS Needs Estimates Annual per Capita Average

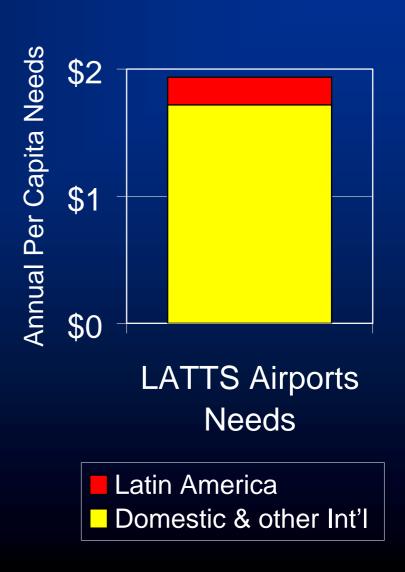


LATTS Needs vs Industrial Capital Investment Annual per Capita Average

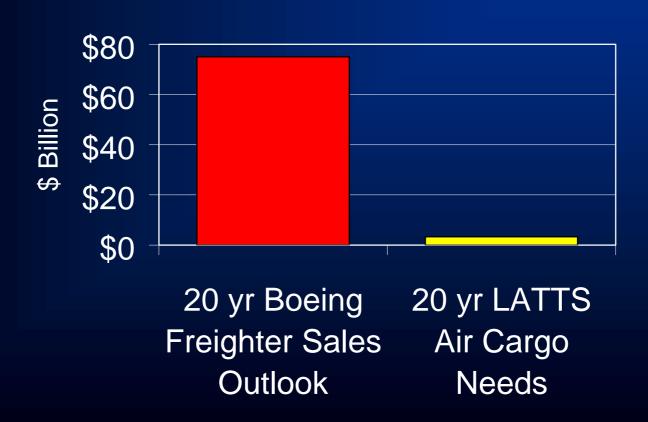


LATTS Airports Needs Estimates





LATTS Airports Needs vs Boeing Freighter Sales 20 Year Outlook



LATTS Highway Needs Estimates



Latin America

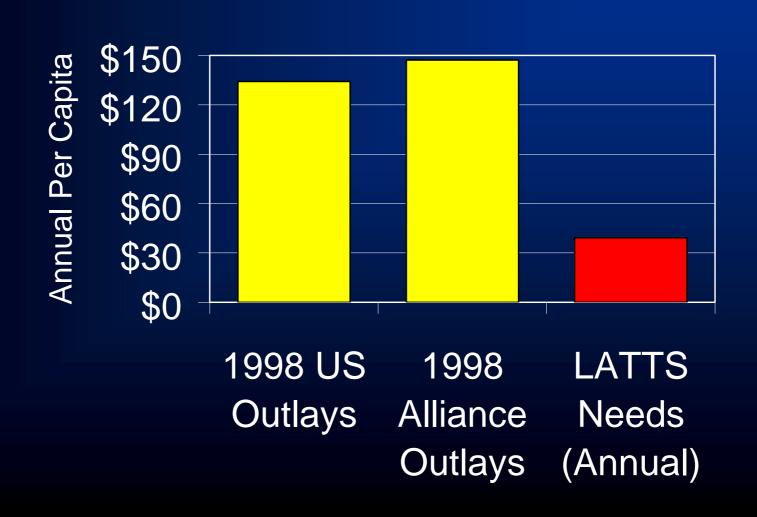
Domestic & other Int'l



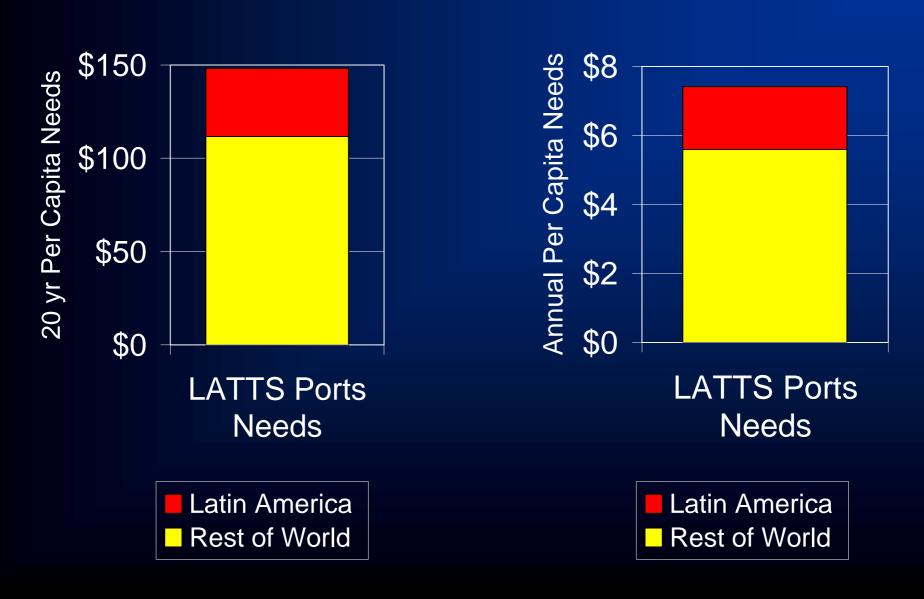
Latin America

Domestic & other Int'l

LATTS Highway Needs vs Historical Expenditures Annual Expenditures



LATTS Ports Needs Estimates



Why Latin America?

LATIN AMERICAN TRADE Significant enough

Provides the hook

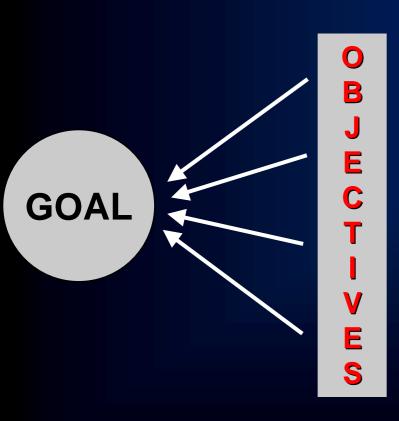
Potentially Adverse Consequences

- Safety
- Congestion
- Wear and Tear
- Environment
- Crime
- Quality of Life
- Rail/Highway Delays
- Env./Social Justice



Goal

Support economic development through improved transportation for trade.



LATTS Objectives

One

Regional Competitiveness

TWO

Interconnected Multimodal System

Three

Freight Mobility

Four

Efficiency

Five

Environment

Six

Safety

Seven

National Security

THEMES

- Systems Approach
- Modal Choice
- Dynamic Economy

B JECT GOAL V E S JSSUES

HWY

RAIL

AIR

PORTS

PORTS-Modal Issues

- Capacity (Physical)
 - Marine
 - Landside Access
 - All Cargo Types
- Efficiency
 - Facility utilization
- Turnaround
- Intermodal System
- Agility

- Competition
 - Ports are competitive
- Operating Environment
 - Future IIC
- Megaload Centers
 - Feeders
- Environment
- Finance
- Jurisdiction

AIRPORTS-Modal Issues

- Cultural
- E-Commerce
- Passenger Service to Latin A.
- Groundside Access
- Seamless Interchange
- Market Linkage
- Custom Clearance/EDI
- Capacity
 - Warehouse & Ramps
 - Airside, Groundside, Satellite

- Clustering on/around airports
- Satellite /Industrial/Warehouse (11C)
- Linkages
 - On-Airport, To Satellites
- Funding
 - Federal, State, other
 - Innovative
- Jurisdictional Issues

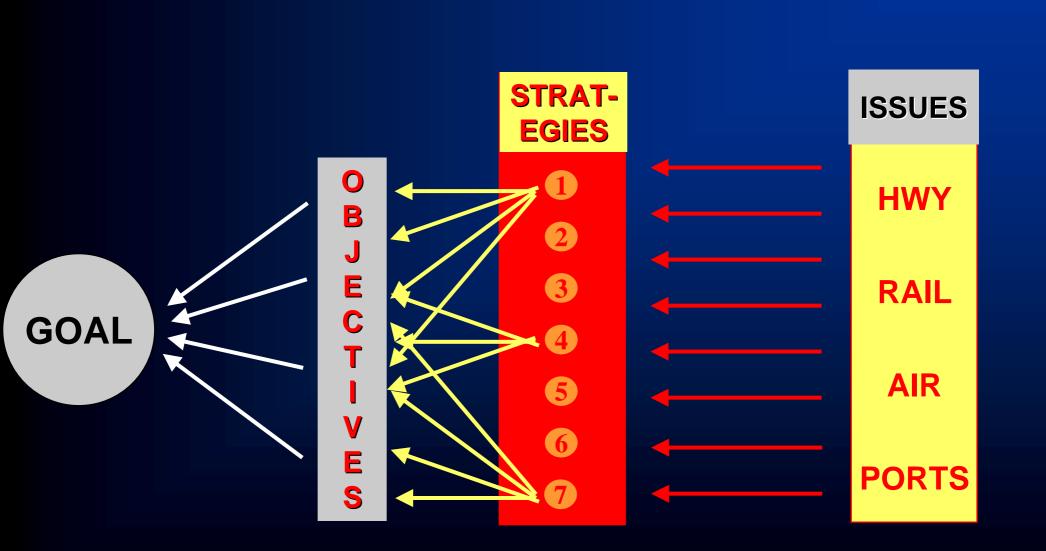
RAIL-Modal Issues

- Physical Capacity
 - ROW
- Operational
 - Not in the Southeast
- States have limited jurisdiction
- Grade Crossings
 - Above Grade
- Megaload Centers
 - Consolidation
- Private operations
- Funding

HIGHWAYS-Modal Issues

- Additional Physical Capacity
 - Urban
 - Rural
- Capacity Constraints
 - Environmental
 - ROW
 - Traffic
- Intermodal Connectors
- Corridor needs

- Operational
 - ITS
- Congestion
- Preservation/Rehabilitation
 - Pavement, bridges
- Safety
- Institutional
 - Standards

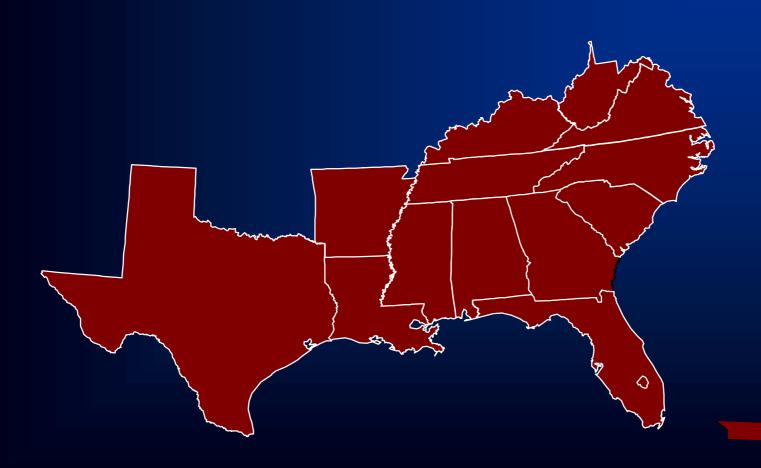


Strategies

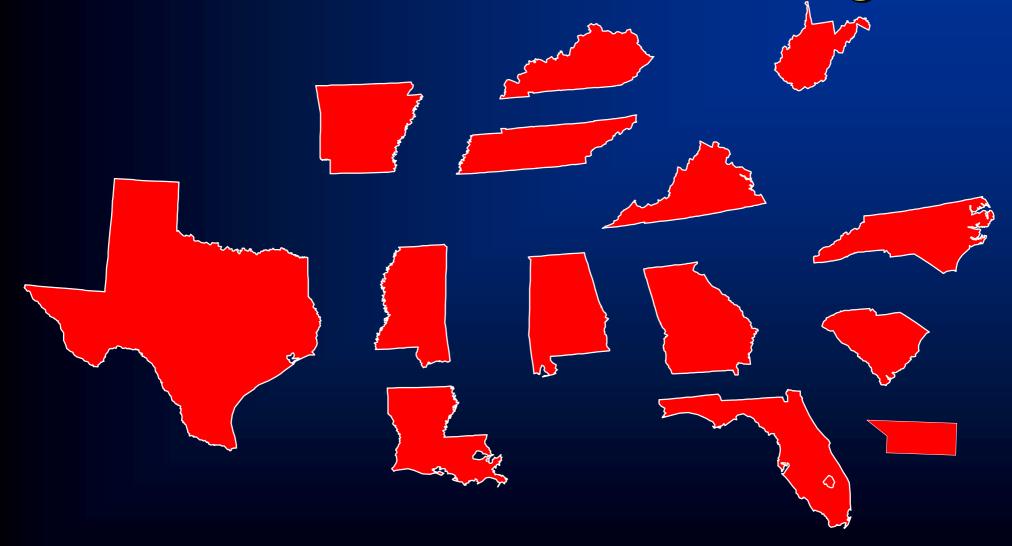
- Utilization of Existing Infrastructure
- Add Physical Infrastructure
- Increase Operating Throughput
- Corridor Approach for Investing
- Develop Agile Freight Operations
- Improve Clearance at Gateways
- Attention to Connectors

- Encourage Technology
- Integration of Information
- ITS Applications
- Increase Public Awareness
- Improve Institutional Relationships
- Improve Freight Profile
- Partnerships

Regional Strategy



State/Commonwealth Strategies



LATTS Website



Wilbur Smith Associates Columbia, South Carolina